

What your fourth grader will be able to do by the end of the year

Math

- Read, write, order, and compare numbers through 1,000,000; write numbers using place value
- Add and subtract multi-digit numbers fluently
- Find all factors of any whole number up to 50 and recognize some numbers as prime
- List the first ten multiples of a one-digit whole number and determine if a whole number is a multiple of a number
- Use mental math strategies to estimate and calculate with whole numbers
- Multiply any whole number by a one-digit number and a three-digit number by a two-digit number
- Multiply two-digit numbers by 2, 3, 4, and 5 using the distributive property
- Divide numbers up to four-digits by one-digit numbers and by 10, and use multiplication to check solutions
- Find the value of the unknown in simple mathematical equations, such as: find a if $a \div 10 = 25$ or find b if $120 \div b = 20$
- Locate fractions, mixed numbers, and decimals (tenths and hundredths) on a number line
- Compare and order up to three fractions with denominators 2, 4, and 8, and 3, 6, and 12, including mixed numbers
- Find and recognize equivalent fractions and explain why they are equal; know decimal and fraction forms for tenths, hundredths, halves and fourths
- Read, write, interpret, and compare decimals through hundredths; relate decimals to money and place value
- Add and subtract fractions less than one with denominators of two through 12 and 100, where denominators are equal or one denominator is a multiple of the other

What your fourth grader will be able to do by the end of the year

Math

- Add and subtract decimals through hundredths
- Multiply fractions by whole numbers
- Multiply and divide decimals up to two decimal places by a one-digit whole number
- Measure using common tools and select appropriate units of measure
- Convert from one unit of measure to a larger or smaller unit of measure
- Know and use formulas to find perimeter and area of rectangles and squares
- Identify basic two-dimensional and three-dimensional geometric shapes and use their properties to solve problems
- Identify and draw perpendicular, parallel, and intersecting lines and relate angles formed by these lines to right angles
- Move shapes by flipping, sliding, or rotating; identify symmetry in shapes
- Order a list of numbers, find the median and the range of values
- Construct tables and bar graphs from given data and solve problems

In line with State of Michigan
Grade Level Content Expectations

Woodview Elementary Fourth Grade Student Learning Objectives

Woodview Elementary
Grades 3-5
450 Orchard Street
Belding, MI 48809
616-794-4750

What your fourth grader will be able to do by the end of the year

Social Studies

- Use various sources to analyze important events and individuals throughout Michigan's history
- Analyze and take a stand on various issues and events throughout Michigan's history
- Analyze and map the physical, cultural, and economic aspects of geography in Michigan
- Analyze how location, movement, and communication influence people, economic activity, and ideas in Michigan
- Analyze the diversity and interrelationship of cultures, communities, and resources in Michigan
- Explain the process of becoming a state and create a timeline of Michigan's statehood
- Explain the purposes and organization of local, state, and national government
- Explain local, state, and national laws and the citizen's rights and responsibilities to participate in government
- Analyze the influence of scarcity, choice, and the role of government in past, present, and future economic decisions made by the people of Michigan
- Examine the roles of Michigan industries to function effectively in a free-market economy
- Analyze the role of businesses and the impact of world trade on the economic development of Michigan

What your fourth grader will be able to do by the end of the year

English Language Arts

- Use a variety of strategies to identify and understand unknown words
- Read grade level text fluently
- Analyze a variety of narrative genre (such as poetry, myths, legends, fantasy, and adventure) for structural elements
- Explain how authors use literary devices in narrative text
- Analyze a variety of informational text (such as autobiography/biography, personal essay, almanac, and newspaper) for text elements
- Explain how authors use text features in informational text
- Comprehend grade level reading and make connections with personal knowledge and universal themes
- Self-monitor reading comprehension using a variety of reading strategies
- Show enthusiasm for reading and writing and individually do substantial reading and writing
- Use the writing process including, prewriting, drafting, revising, and editing for all published pieces
- Develop a variety of narrative and informational writing pieces including myth, legend, poetry, fantasy, informational, comparative, and a research paper
- Produce and present a research project using multiple resources
- Observe conventions of writing including proper grammar and usage, correct spelling, and neat handwriting
- Communicate effectively using a variety of audiences and purposes

What your fourth grader will be able to do by the end of the year

Science

- Compare and contrast characteristics of the sun, moon, and Earth
- Demonstrate and explain the movements in the sun, moon and Earth system
- Explain how fossils provide evidence of the history of Earth
- Compare and contrast states of matter and explain how matter can change from one state to another
- Demonstrate and understand the scientific method by estimating and measuring weight, mass, and volume
- Identify and compare different forms of energy and describe how temperature relates to energy
- Design and create simple circuits and classify objects as good or poor conductors of heat and electricity
- Design an electromagnet and explain real life uses
- Demonstrate a magnetic field and explain how objects are affected by the strength of the magnet and the distance from the magnet
- Explain how different physical and behavioral adaptations allow organisms to live in their environment
- Identify and explain the feeding relationships in food chains and food webs, and explain how environmental changes can affect them